片角叶蝉科一新属新种

(同翅目:叶蝉总科)

葛钟麟 方庆权 (安徽农学院)

片角叶蝉科(Idioceridae)属同翅目,叶蝉总科(Cicadelloidea)。至目前为止全世界记载本科共有60属。最近我们在研究中发现一新属一新种,现记述如下。模式标本存放于安徽农学院。

弯茎叶蝉属 Flexocerus 新属

头部包括复眼显然宽于前胸背板,头冠宽短,略向前突出,前后缘几平行,中央长度约为二复眼间宽 1/4;颜面宽度稍大于长,单眼生于颜面,位于复眼内缘中央偏基方之间,二单眼相互远离,相互距离大于与复眼间距,额缝发达,伸抵单眼下缘内侧;前唇基钟状,侧缘微呈弧形凹入,末端突出于舌侧板与颊端部之外;两颊侧下缘中央向内弧凹;触角位于复眼前角内侧,触角脊弧曲发达,形成明显的片状突起,触角末端不膨大成片状;喙粗短,自基部渐次向端部扩大。前胸背板横宽,侧缘极短,前缘突圆,后缘略凹而近于平直;中胸小盾片大,三角形,其中长约为头冠与前胸背板长度之和;前翅具有四个端室,三个端前室,中室缺如,端片发达;后足胫刺弱。在头部的头冠,颜面基部,前胸背板与中胸小盾片端部具生横皱,皱褶深致表面甚为粗糙。

雄虫生殖节基瓣梯形,端缘中央略弧凹而近平直,下生殖板非常狭长,伸过尾节末端,端部稍弯曲,尾节端缘弧圆无突起;阳茎基Y形,主干侧面观不膨胀,阳茎端管状弯曲,端部逆生二对刺状突起,均着生于腹面相互紧接,其背突端部分成二叉;阳基侧突刀片状,端部内缘具生齿列,外缘无刚毛。

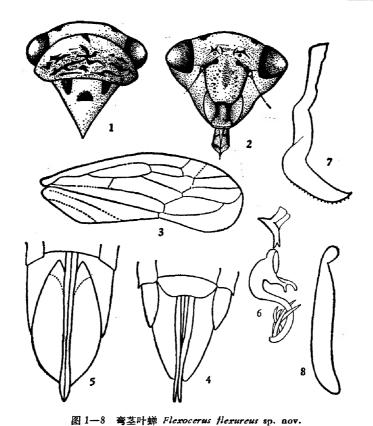
模式种: Flexocerus flexureus 新种

本属由体背具有深刻皱褶与 Rhytidodus Fieber (1872) 和 Tasnimocerus Ghauri (1975) 二属相似,除外生殖器构造明显差异外,外形主要区别在于 Rhytidodus 属体较扁,尾节具有发达的端缘突起; Tasnimocerus 属前翅具中室。 又本属喙端部膨大与阳茎具有两对端突等特征与 Idioscopus Baker (1915) 属相接近,但后者喙长仅末节骤然膨大,阳茎所生突起距末端较远,二对起自一点。

弯茎叶蝉 Flexocerus flexureus 新种 (图 1-8)

头冠中长为二复眼间宽 1/4,与近复眼处长相等,但前缘中部稍平直,致整个前缘微

本文于 1983 年 8 月收到。



1. 头胸部背面 2. 头部腹面 3. 前翅 4. 雄虫生殖节腹面(グ) 5. 雌虫生殖节腹面(マ) 6. 阳茎側面(グ) 7. 阳茎侧交 8. 雄虫下生殖板(グ)

波曲;颜面额唇基区端部略隆起。前胸背板宽度约为长度二倍,为头冠长近三倍;中胸小盾片中长约与基部宽相等,中域横刻痕平直。雄虫下生殖板全长约为最宽处 6 倍;阳茎端弯曲,侧面观成 S 形,端部逆生两对刺状突起,其中一对着生于近末端的腹面中央,另一对位于前对基方并与之相紧接;阳基侧突端半弯曲,端部内缘具有十多枚圆锥形小齿突。

全体淡黄褐色,惟中胸小盾片与腹部腹面色淡黄微褐,腹面背面黑褐,各背板端缘黄褐色。另在头冠前缘区近复眼处,每侧有一黑褐色圆点,颜面单眼基方与额缝内侧具有不规则形深褐色斑纹,后唇基中域有许多褐点且组成一环纹,前唇基基部深褐色,前胸背板中域生有许多褐色波浪状不规则斑纹,小盾片二基侧角各有一褐色三角斑,横刻痕基方具一褐色半圆斑。前翅与各足淡黄褐色,除翅脉深褐色外别无斑点。

体长: 雄虫 6.1, 雌虫 6.4 毫米;体连翅长: 雄虫 7.0, 雌虫 7.5 毫米。 正模♂,配模♀,贵州江口,1973, X.11,秦志庭采。

A NEW GENUS AND A NEW SPECIES OF THE IDIOCERIDAE (HOMOPTERA: CICADELLOIDEA)

KUOH CHUNG-LIN FANG QING-QUAN
(Anhui Agricultural College)

This new genus and new species is collected from South China. The type specimen is deposited in Anhui Agricultural College.

Flexocerus gen. nov.

Head short, broader than pronotum, vertex broad, transverse, very short, parallel margined, and broadly rounded to front; ocelli on the face between eyes, just above the outside of the frontal sutures; male antennae without bearing characteristic discs near their apices; rostrum swelling at tip. Lateral margin of pronotum very short, posterior margin broadly concave, scutellum reletively large, median length as long as pronotum and vertex together; tegmina with four apical and three anteapical cells, appendix well developed.

Aedeagus S-shaped with two pairs of apical processes; style blade-like; male plate narrowed.

Type species: Flexocerus flexureus sp. nov.

This genus is similar to *Tasnimocerus* Ghauri and *Rhytidodus* Fieber, it can be separated by the S-shaped aedeagus with two pairs of apical processes and blade-like style.

Flexocerus flexureus sp. nov.

Length: male 6.1 mm. female 6.4 mm.; including tegemen male 7.0 mm. female 7.5 mm.

Vertex, pronotum and face brown, scutellum pale brown, tegemen brownish. Male plate very narrowed, two pairs of apical processes of aedeagus nearly closed together; style inner margin with lots of conical spinule.

Holotype & and allotype &, Guizhou, China; 19. Oct. 1973, collected by Qing Zhiting.